

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

402541835

BRADENHEAD TEST REPORT

Step 1. Before opening any valves, record all tubing and casing pressures as found.

Step 2. Collect liquid and gas samples as required; consult Bradenhead Testing and Reporting Instructions and Guidance for field specific Orders at <http://cogcc/reg.html#opguidance>

Step 3. Conduct Bradenhead test.

Step 4. Submit Form 17 within 10 days of test. Attach a wellbore diagram if not previously submitted or if wellbore configuration has changed since last wellbore diagram was submitted.

Step 5. Submit sample analytical results via Form 43.

1. OGCC Operator Number: 16700 3. BLM Lease No: _____

2. Name of Operator: CHEVRON USA INC

4. API Number; 05-103-06137-00 5. Multiple completion? ☐ Yes ☒ No

6. Well Name: H W GRAY Number: A-12

7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SWNW,19,2N,102W,6

8. County RIO BLANCO 9. Field Name: RANGELY

10. Minerals: ☒ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 11/24/2020

12. Well Status: ☐ Flowing
☐ Shut In ☐ Gas Lift
☒ Pumping ☐ Injection
☐ Clock/Intermitter
☐ Plunger Lift

13. Number of Casing Strings:

☒ Two ☐ Three ☒ Liner?

14. EXISTING PRESSURES

Record all pressures as found	Tubing: 110 Fm: WEBR	Tubing: _____ Fm: _____	Prod Csg 145 Fm: WEBR	Intermediate Csg: _____	Surf. Csg 275
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BRADENHEAD TEST

With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (Bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals.

Describe character of flow in "Bradenhead Flow" column: O = No Flow; C = Continuous; D = Down to 0; S = Surge; W = Whisper

Describe fluid type in "Bradenhead Fluid" column: H = Water H₂O; M = Mud; G = Gas; V = Vapor; L = Liquid Hydrocarbon; H & M = Water & Mud; H & G = Water & Gas; H & V = Water & Vapor; M & G = Mud & Gas; M & V = Mud & Vapor; G & V = Gas & Vapor; H & L = Water & Liquid Hydrocarbon; M & L = Mud & Liquid Hydrocarbon; G & L = Gas & Liquid Hydrocarbon; V & L = Vapor & Liquid Hydrocarbon; N = None

Buried valve? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermedia Csg PSIG	Bradenhead Flow:	Bradenhead Fluid:
Confirmed open? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	00:00	WEBR 110	<input type="checkbox"/>	<input type="checkbox"/> 145		CONTINUOUS	GAS
BRADENHEAD SAMPLE TAKEN?	05:00	WEBR 110	<input type="checkbox"/>	<input type="checkbox"/> 145		CONTINUOUS	GAS
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Liquid	10:00	WEBR 110	<input type="checkbox"/>	<input type="checkbox"/> 145		CONTINUOUS	GAS
Character of Bradenhead fluid:	15:00	WEBR 110	<input type="checkbox"/>	<input type="checkbox"/> 146		CONTINUOUS	GAS
<input type="checkbox"/> Clear <input type="checkbox"/> Fresh	20:00	WEBR 110	<input type="checkbox"/>	<input type="checkbox"/> 146		CONTINUOUS	GAS
<input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black	25:00	WEBR 110	<input type="checkbox"/>	<input type="checkbox"/> 145		CONTINUOUS	GAS
Other:(describe)	30:00	WEBR 110	<input type="checkbox"/>	<input type="checkbox"/> 146		CONTINUOUS	GAS
Instantaneous Bradenhead PSIG at end of test: > 34							

INTERMEDIATE CASING TEST

With gauges monitoring production, intermediate casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals.

Describe character of flow in "Intermediate Flow" column: O = No Flow; C = Continuous; D = Down to 0; S = Surge; W = Whisper

Describe fluid type in "Intermediate Fluid" column: H = Water H₂O; M = Mud; G = Gas; V = Vapor; L = Liquid Hydrocarbon; H & M = Water & Mud; H & G = Water & Gas; H & V = Water & Vapor; M & G = Mud & Gas; M & V = Mud & Vapor; G & V = Gas & Vapor; H & L = Water & Liquid Hydrocarbon; M & L = Mud & Liquid Hydrocarbon; G & L = Gas & Liquid Hydrocarbon; V & L = Vapor & Liquid Hydrocarbon; N = None.

Buried valve? <input type="checkbox"/> Yes <input type="checkbox"/> No Confirmed open? <input type="checkbox"/> Yes <input type="checkbox"/> No	Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing:	Prod Csg PSIG	Intermediate Csg PSIG	Intermediate Flow:	Intermediate Fluid:
	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
INTERMEDIATE SAMPLE TAKEN? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Gas <input type="checkbox"/> Liquid	05:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	10:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	15:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Character of Intermediate fluid: <input type="checkbox"/> Clear <input type="checkbox"/> Fresh <input type="checkbox"/> Sulfur <input type="checkbox"/> Salty <input type="checkbox"/> Black Other:(describe) _____	20:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	25:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	30:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	Instantaneous Intermediate Casing PSIG at end of test: > _____						

Comments: Sample container # 1029

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Test Performed By: Justin Halcomb Title: FSA Phone: (970) 783-8729

Signed: ANITA SANFORD Title: REGULATORY
TECH.ASSISTANT Date: 11/30/2020

Witnessed By: _____ Title: _____ Agency: _____